



# PRODUCTS AND SERVICES BULLETIN

## NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

### COASTAL SERVICES CENTER

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SPRING 2008

*This quarterly publication supplies up-to-date information on tools and services developed for the nation's state and local coastal programs by the NOAA Coastal Services Center. For more information, please contact [Kitty.Fahey@noaa.gov](mailto:Kitty.Fahey@noaa.gov).*

## New Products and Services

**Publication Highlights Tsunami Resilience Strategies.** In response to the Indian Ocean tsunami of 2004, NOAA and many partners have created a new coastal community resilience guidebook. The publication, titled *How Resilient Is Your Coastal Community? A Guide for Evaluating Coastal Community Resilience to Tsunamis and Other Hazards*, was developed by the NOAA Pacific Services Center and partners from federal and international agencies, nonprofit organizations, academic institutions, and the private sector. Approximately 140 other organizations from the Indian Ocean region also contributed. The guide is available on-line and on CD.

**Web Address:** [www.us-iotws.gov](http://www.us-iotws.gov)

**Contact:** Russell Jackson for CD version at (808) 522-2299

**Web Application Combines NOAA and USGS Data.** A collaborative program involving NOAA and the U.S. Geological Survey (USGS) has merged data and information from both agencies into seamless Web services accessible to agency partners. By accessing real-time observations from USGS sensors, partners can receive critical water-quality information detailing temperature, turbidity, discharge, chlorophyll measurements, and other factors.

**Contact:** [Doug.Marcy@noaa.gov](mailto:Doug.Marcy@noaa.gov)

**Florida Rolls Out Manatee Protection Tool.** A new Web tool, the Manatee Awareness and Protection Resource (MAPR), features educational and geographic modules that delineate manatee protection zones in Florida. In addition, MAPR's geographic information system format enables users to view and overlay data concerning manatee-protection regulations, environmental factors, and human use of marine resources. Florida Sea Grant and the Center developed this tool.

**Web Address:** [www.flmapr.org](http://www.flmapr.org)

**Contact:** [Dave.Stein@noaa.gov](mailto:Dave.Stein@noaa.gov)



## Updated Products and Services

**Northeast Region Receives 2006 Land Cover Data.** Through its Coastal Change Analysis Program (C-CAP), the Center has released a 2006 update to its existing 1996 and 2001 land cover data for the states of New Jersey, New York, Connecticut, Rhode Island, and Massachusetts. Land cover data are especially useful in helping agencies and organizations evaluate decision-making scenarios for sea level rise or other climate-related changes.

**Web Address:** [www.csc.noaa.gov/landcover/](http://www.csc.noaa.gov/landcover/)

**Contact:** [Nate.Herold@noaa.gov](mailto:Nate.Herold@noaa.gov)

**Forecasts Include *Karenia brevis* in Alabama and Northwest Florida.** Information on the harmful algal bloom *Karenia brevis* in areas of Alabama and Northwest Florida has been added to regular bulletins of the NOAA Harmful Algal Bloom (HAB) Forecasting System. This information was obtained through samples collected by the Alabama Department of Public Health. The Center and other project partners worked with the State of Alabama to ensure that the data are provided in a usable format.

**Web Address:** [www.csc.noaa.gov/crs/habf/](http://www.csc.noaa.gov/crs/habf/)

**Contact:** [hab@noaa.gov](mailto:hab@noaa.gov)

## Future Products and Initiatives

**Pacific Islands Region to Receive Climate Change Web Resource.** Several federal entities are working together to develop a Web portal showcasing climate change information for the Pacific Islands region. The Pacific Islands Climate Change Portal will promote enhanced communication and collaboration among the coastal management and climate communities. NOAA's Central Library, Coastal Services Center, Pacific Services Center, and Office of Ocean and Coastal Resource Management are leading the effort.

**Contact:** [Stephanie.Fauver@noaa.gov](mailto:Stephanie.Fauver@noaa.gov)

**Initiative Will Establish Best Hydrology Restoration Practices.** Two NOAA entities—the Coastal Services Center and Restoration Center—are partnering to develop best management practices for restoring natural tidal flow in the Southeast region. A recent workshop on tidal hydrology restoration drew 70 experts, practitioners, and coastal managers, who shared information and lessons learned.

**Contact:** [Bethney.Ward@noaa.gov](mailto:Bethney.Ward@noaa.gov)



## Center News Events

**House Oceans Caucus Learns of NOAA's Resilience Efforts.** In February, two NOAA leaders addressed the House Oceans Caucus to detail ways that the agency helps coastal communities plan for, predict, and recover from natural hazards. John H. Dunnigan, the assistant administrator for the National Ocean Service, and Margaret Davidson, the director of the NOAA Coastal Services Center, briefed this bipartisan group, whose members are acutely aware of the interplay between the state of the oceans and our national security, economy, and health.

**Contact:** *Nell.Codner@noaa.gov*

**Center Convenes IOOS Review Panel.** The NOAA Coastal Services Center recently hosted an 11-member panel to review and rank 27 proposals for 2008 regional funding of the Integrated Ocean Observing System (IOOS). Personnel from Ocean.US and the U.S. Army Corps of Engineers hailed the effort as one of "the most professionally run panels" in which they have ever participated. This is the second consecutive year that the Center has partnered with the NOAA IOOS Program Office to run a competitive process supporting the regional component of IOOS.

**Contact:** *Mary.Culver@noaa.gov* or *Jennie.Lyons@noaa.gov*

**IFSAR Data Enhances Volcano-Monitoring Activities.** Data acquired by NOAA's Coastal Services Center and Pacific Services Center were recently used by U.S. Geological Survey (USGS) scientists to monitor lava flows from the Puu Oo-Kupaianaha eruption of Kilauea Volcano. The Interferometric Synthetic Aperture Radar (IFSAR) data have been used to develop a complete topographic map of the area. The Center acquired the data license in 2005, an action that ultimately promoted greater access to this information, enabling other agencies to license the data at a lower cost.

**Contact:** *Adam.Stein@noaa.gov*

## Published Reports

**Center Excels in Training Scope and Satisfaction.** In 2006 and 2007, Center personnel trained 2,236 coastal professionals from 47 states. Course participants represented all major coasts in the continental U.S., as well as noncoastal states, Hawaii, and U.S. territories in the Caribbean. In addition, Center staff members trained coastal managers from South America, Central America, Europe, Southeast Asia, and the nations of Canada and Belize. E-learning courses offered by the Center also logged thousands of user sessions. Moreover, 93 percent of course participants reported that their time was well spent and 94 percent reported achievement of the learning objectives.

**Web Address:** *[www.csc.noaa.gov/training/](http://www.csc.noaa.gov/training/)*

**Contact:** *Steve.Gilbert@noaa.gov*



**Survey Reveals Widespread Interest in EBM Training.** A new Center survey of more than 250 coastal professionals shows that many respondents have a solid knowledge of ecosystem-based management principles but that implementation is stymied by administrative or political hindrances and by a lack of resources. Seventy-two percent of respondents reported that the biggest EBM obstacle was getting local, state, and federal agencies with various institutional climates and mandates to work together. A large number of respondents (88 percent) indicated that their organizations needed professional EBM development, and an overwhelming number (92 percent) indicated an interest in attending a two-to-four-day training. The training needs expressed in the survey will inform the Center's efforts to develop useful EBM instruction.

**Web Address:** [www.csc.noaa.gov/bins/products/pubs.html](http://www.csc.noaa.gov/bins/products/pubs.html)

**Contact:** [Steve.Gilbert@noaa.gov](mailto:Steve.Gilbert@noaa.gov)

## Plaudits

**Center Director Recognized.** Margaret Davidson, the director of the NOAA Coastal Services Center, was a contributing author to the Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC). The Norwegian Nobel Committee awarded the Nobel Peace Prize to former Vice-President Al Gore and to the IPCC team of contributors and principal authors "for their efforts to build up and disseminate greater knowledge about man-made climate change, and to lay the foundations for the measures that are needed to counteract such change."

Moreover, Davidson was inducted as a Fellow of the American Meteorological Society (AMS). The AMS Fellows are recognized for their exceptional contributions to the atmospheric or related oceanic or hydrologic sciences, including scientific applications. Finally, Davidson was appointed to a two-year term as a member on the Coastal Engineering Research Board (CERB). As a member of the board, she will influence research efforts of the U.S. Army Corps of Engineers to address the most important coastal engineering problems in the nation.

**Contact:** [Donna.McCaskill@noaa.gov](mailto:Donna.McCaskill@noaa.gov)

**Habitat Planner Attracts Regional and International Interest.** Since its debut in September 2007, the Center's Habitat Priority Planner has been well received by the National Estuarine Research Reserve System (NERRS), the United Nations Food and Agriculture Organization, and the Ecosystem-Based Management (EBM) Tools Network. NERRS is using the tool to develop strategic conservation plans with locally based conservation organizations. The United Nations website provides a brief overview of the tool and links to the Center's site for download. The EBM Tools Network hosted an on-line demonstration of the tool that was viewed by more than 100 participants.

**Web Address:** [www.csc.noaa.gov/hpp/](http://www.csc.noaa.gov/hpp/)

**Contact:** [Danielle.Bamford@noaa.gov](mailto:Danielle.Bamford@noaa.gov)



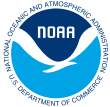
**Center Wins Three Technical Publication Awards.** The Carolina chapter of the Society for Technical Communication (STC), one of the nation's most highly regarded contests for technical publications, has presented three awards to Center publications. *Coastal Services*, a bimonthly trade journal for coastal resource managers, won a Distinguished Award in the magazine category and an Award of Excellence in the trade/news articles category. *Coastal Connections*, a bimonthly newsletter for coastal resource managers, won an Award of Merit in the newsletter category.

**Contact:** [Donna.McCaskill@noaa.gov](mailto:Donna.McCaskill@noaa.gov)

**Award-Winning Scientists Acknowledge Coastal Storms Program.** "A Sensory System at the Interface between Urban Stormwater Runoff and Salmon Survival," an article in *Environmental Science & Technology*, was the second runner-up in the journal's "Best Papers of 2007" competition, which included 1200 entries. The paper was authored by scientists from Oregon State University and NOAA's National Marine Fisheries Service, who acknowledge the role played by the NOAA Coastal Storms Program in funding this research and helping communities reduce stormwater contamination. The NOAA Coastal Services Center manages and administers the Coastal Storms Program.

**Web Address:** [www.csc.noaa.gov/csp/](http://www.csc.noaa.gov/csp/)

**Contact:** [Keelin.Kuipers@noaa.gov](mailto:Keelin.Kuipers@noaa.gov)



# Training Schedule

Training for your organization can take place at the Center in Charleston, South Carolina, or can be brought to your facility.\* For more information, visit [www.csc.noaa.gov/training/](http://www.csc.noaa.gov/training/).

## Coastal Applications Using ArcGIS

May 1 to 2	Charleston, South Carolina
June 10 to 11	Gautier, Mississippi

## Coastal Community Planning and Development

April 15 to 16	Beaufort, North Carolina
May 8 to 9	Seaside, Oregon
June 16 to 17	Rockport, Texas
June 18 to 19	Port Aransas, Texas

## Coastal Inundation Mapping

June 12 to 13	Gautier, Mississippi
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## GIS Tools for Strategic Conservation Planning

June 16 to 19	National Conservation Training Center
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## Introduction to ArcGIS I

April 29 to 30	Charleston, South Carolina
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## Managing Visitor Use in Coastal and Marine Protected Areas

April 29 to May 1	Dana Point, California
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## Project Design and Evaluation

May 12 to 13	Honolulu, Hawaii
June 10 to 11	Hudson River Valley, New York
June 17 to 18	Porter, Indiana

## Public Issues and Conflict Management

June 3 to 5	Chesterton, Indiana
June 24 to 26	Punta Gorda, Florida

## Remote Sensing for Spatial Analysts

April 29 to 30	Tallahassee, Florida
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\*Trainings are generally arranged through local coastal management hosts.